**Product name**

Anti-KIR2DL3 + KIR2DL1 + KIR2DS2 + KIR2DL2 + KIR2DS1 antibody [EPR22492-64] ab252938

**Description**

Rabbit monoclonal [EPR22492-64] to KIR2DL3 + KIR2DL1 + KIR2DS2 + KIR2DL2 + KIR2DS1

**Host species**

Rabbit

**Immunogen**

Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.

**Positive control**

WB: His-tagged human KIR2DL1 (aa1-245), His and LIF-tagged human KIR2DL2 (aa26-221), His-tagged human KIR2DL3 (aa1-245), His-tagged human KIR2DS1 (aa22-221) and His-tagged human KIR2DS2 recombinant proteins (aa22-221). Flow Cyt: Human PBMC. IHC: human endometrium, colon cancer and gastric cancer

**General notes**

This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.
The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing the problem with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation.

One factor contributing to the crisis is the use of antibodies that are not suitable. This can lead to misleading results and the use of incorrect data informing project assumptions and direction. To help address this challenge, we have introduced an application and species grid on our primary antibody datasheets to make it easy to simplify identification of the right antibody for your needs. Learn more here.

**Properties**

- **Form**: Liquid
- **Storage buffer**: pH: 7.2
  - Preservative: 0.01% Sodium azide
  - Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
- **Purity**: Protein A purified
- **Clonality**: Monoclonal
- **Clone number**: EPR22492-64
- **Isotype**: IgG

**Applications**

Our Abpromise guarantee covers the use of ab252938 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
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**Application** | **Abreviews** | **Notes**
---|---|---
IHC-P | 1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB | 1/1000. Detects a band of approximately 39-60 kDa (predicted molecular weight: 34, 38, 39 kDa).
Flow Cyt | 1/50.

**Target**

**Cellular localization**
- KIR2DL3: Cell membrane.
- KIR2DL1: Cell membrane.
- KIR2DL2: Cell membrane.
- KIR2DS1: Cell membrane.

**Images**

- **All lanes**: Anti-KIR2DL3 + KIR2DL1 + KIR2DS2 + KIR2DL2 + KIR2DS1 antibody [EPR22492-64] (ab252938) at 1/1000 dilution

  - **Lane 1**: His-tagged human KIR2DL1 recombinant protein (aa1-245) 20 ng
  - **Lane 2**: His and LIF-tagged human KIR2DL2 recombinant protein (aa26-221) 20 ng
  - **Lane 3**: His-tagged human KIR2DL3 recombinant protein (aa1-245) 20 ng
  - **Lane 4**: His-tagged human KIR2DS1 recombinant protein (aa22-221) 20 ng
  - **Lane 5**: His-tagged human KIR2DS2 recombinant protein (aa22-221) 20 ng
  - **Lane 6**: His-tagged human KIR2DS3 recombinant protein (aa22-221) 20 ng
  - **Lane 7**: His-tagged human KIR2DS4 recombinant protein (aa22-221) 20 ng
  - **Lane 8**: His-tagged human KIR2DS5 recombinant protein (aa22-221) 20 ng

- **Secondary**

  - **All lanes**: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

  **Predicted band size**: 34, 38, 39 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure times: Lanes 1-3: 15 secs; Lanes 4-8: 3 mins.

Immunohistochemical analysis of paraffin-embedded human endometrium tissue labeling KIR2DL1 with ab252938 at 1/1000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Positive staining in natural killer (NK) cells in human endometrium (PMID: 7749980) is observed.
Counterstained with hematoxylin. Secondary antibody only control:
Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).
Perform heat mediated antigen retrieval using ab93684 (Tris/EDTA buffer, pH 9.0).

Flow cytometric analysis of human peripheral blood mononuclear cells (PBMC) labeling KIR2DL1 with ab252938 at 1/50 (right) compared with a Rabbit monoclonal IgG (ab172730) (left). Goat anti rabbit IgG (Alexa Fluor® 488, ab150097), at 1/5000 dilution was used as the secondary antibody. Cells were stained with rabbit IgG (Left) or ab252938 (Right). Then stained with anti-CD56 conjugated to BV421. Gated on viable cells.
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue labeling KIR2DL1 with ab252938 at 1/1000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Positive staining in natural killer (NK) cells in human colon cancer (PMID: 7749980) is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat mediated antigen retrieval using ab93684 (Tris/EDTA buffer, pH 9.0).

Immunohistochemical analysis of paraffin-embedded human gastric cancer tissue labeling KIR2DL1 with ab252938 at 1/1000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Positive staining in natural killer (NK) cells in human gastric cancer (PMID: 7749980) is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat mediated antigen retrieval using ab93684 (Tris/EDTA buffer, pH 9.0).
Anti-KIR2DL3 + KIR2DL1 + KIR2DS2 + KIR2DL2 + KIR2DS1 antibody [EPR22492-64] (ab252938)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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